

Q.1 A) Select the most appropriate option and rewrite the statement.**(4)**

- 1) HTML stands for _____
a) HighText Markup Language b) HyperText Markup Language
c) HyperTabular Markup Language d) None of these
- 2) _____ tag is used to create a hyperlink.
a) <link> b) <href> c) <anchor> d) <a>
- 3) _____ digit in a binary number is called the Least Significant Bit (LSB) in a binary number ?
a) Leftmost digit b) Rightmost digit c) Middle digit d) None of these
- 4) In Subtraction by 2's complement method, if there is no carry at the end, the result is _____
a) Positive b) Negative c) Zero d) None

B) Attempt ANY TWO of the following.**(6)**

- 1) Explain binary subtraction rules with example.
- 2) Define HTML. Write three features of HTML.
- 3) Write HTML code to display text in red color, size in 5 and Comic Sans MS font.

Q.2 A) Attempt ANY TWO of the following.**(6)**

- 1) Write the positional (place) value of the digit '7' in Octal numbers: 734, 971 and 207.
- 2) Convert hexadecimal number 27FB to decimal, binary, octal using shortcut method.
- 3) Write HTML code to show: H₂O and Na⁺ Cl⁻.

B) Attempt ANY ONE of the following.**(4)**

- 1) Write HTML code to create a hyperlink to www.tpbhaticollege.com that opens in a tab for an - image having width 250.
- 2) Explain the <marquee> tag with attributes and one example.

Q.3 A) Attempt ANY TWO of the following.**(6)**

- 1) Explain RGB color coding in HTML with an example.
- 2) Explain the <HR> tag with any 3 attributes.
- 3) Explain OL tag with example, for any three types.

B) Attempt ANY ONE of the following.**(4)**

- 1) Perform Binary Arithmetic :
a) 10101 + 11011 b) 1001 - 101 c) 1011 + 110 d) 10100 - 111
- 2) Differentiate between ordered and unordered lists with examples.

Q.4 A) Attempt ANY TWO of the following.**(6)**

- 1) Convert binary number 11010 into decimal, octal, hexadecimal.
- 2) Explain UL tag with example, for any three types.
- 3) Explain the use of colspan and rowspan in tables with an example.

B) Attempt ANY ONE of the following.**(4)**

- 1) Perform subtraction using 2's complement : 110110 - 10110
- 2) Perform subtraction using 2's complement : 10110 - 11010

Q.5 Attempt ANY TWO of the following.**(10)**

- 1) Write an HTML program to demonstrate all heading tags with different font colors and face.
- 2) Write an HTML program to develop webpage showing following table -

Year	Average Attendance		
	Boys	Girls	Total
2005	90	25	115
2004	50	25	75

Records

- 3) Write an HTML program to develop webpage showing following list -
Streams and Popular Subjects (Heading)

- Arts
 1. Psychology
 2. Geography
 3. Economics
 - Commerce
 - X. Accounts
 - XI. Economics
 - XII. Advertising
 - Science
 - J. Physics
 - K. Chemistry
 - L. Biology
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